Preliminary Score = Projected Score Monroe Tourship WELL #4+#5 Facility Name: Mongoe Township Glovcester County Location: $I\!\!I$ EPA Region: Person(s) in Charge of the Facility: Date: 6/30/83 Name of Reviewer: D. Van Ech General Description of the Facility: (For example: landfill, surface impoundment, pile, container; types of hazardous substances; location of the facility; contamination route of major concern; types of information needed for rating; agency action, etc.) Monroe Township Musicipal wells #4 & # 5 are located on two separate parcels of land in Williamstown Monroe Tourship Glovester Co. On June 21, 1976 contamination problem was detected, Monroe township allowinately 28,000 using groundwater $s_{M} = 42.23$ $(s_{gw} = 73.07 s_{sw} = 0^{*} s_{a} = 0^{*})$ Scores: * Contaminant is not available SPE to air or surface water SDC =

HRS COVER SHEET

	G	ROUNI	WATER RO	UTE WORK	SHEET			
	Rating Factor		Assigned (Circle (Multi- plier	Score	Max. Scorè	Ref. (Section)
0	Observed Release		0	45	1	45	45	3.1
	if observed release	•			_			
2	Route Characterist Depth to Aquifer of		0 1 ②	3	2	4	6	3.2
	Net Precipitation Permeability of the Unsaturated Zone		0 1 2 0 0 2	3 3	1 ⁻ 1	2	3 3	
	Physical State		0 1 2 (<u> </u>	1	3	3	
			Total Route Chara	acteristics Score)	10	15	· · · · · · · · · · · · · · · · · · ·
3	Containment		0 1 2.(3)	1	3	3	3.3
4	Waste Characterist Toxicity/Persistent Hazardous Waste Quantity		0 3 8 0 1 2	9 12 15 (18) 3 4 5 6 7	1 8 1	19	18	3.4
			Total Waste Char	acteristics Scor	e	19	26	
5	Targets Ground Water Use Distance to Neare: Well/Population Served		0 1 2 () 0 4 6 12 16 18 2 24 30 32 3	8 10 0 5 4 0	3	9 4 0	9 40	3.5
			Total Targo	ets Score	•	49	49	
8	If line 1 is 45, If line 1 is 0, m		1 × 4 × 5 2 × 3 × 4	x 5 -		41895	57.330	
7	Divide line 6 b	y 57,330	and multiply by 10	o s _{gw} =	73.07			

	Rating Factor		Assigned Value (Circle One)								Score	Max. Score	Ref. (Section
1	Observed Release		0				45			1	0	45	4.1
•	If observed release is giv								4. 2.				
2	Route Characteristics Facility Slope and Interve	ning	0	1	2	3				1		3	4.2
	1-yr. 24-hr. Rainfall		0	1	2	3		•		1		3	
	Distance to Nearest Surfa	ice -	0	1	2	3				. 2		6	
	Physical State		0	1	2	3				1	•	3	
		Total F	lou	te i	Cha	racti	ristic	s Sco	re			15	
3	Containment		0	1	2	3				1		.3	4.3
4	Waste Characteristics Toxicity/Persistence Hazardous Waste Quantity		0	3 1	6 2	9 1	2 15 4 5	18 6 7	8	1 1		18 8	4.4
		Total V	Vas	te	Cha	ract	eristic	s Scc	re			26	
5	Targets												4.5
	Surface Water Use		0	1	2	3 .				3		9	
	Distance to a Sensitive Environment		0	1	2	3				2		6	
	Population Served/Distanto Water Intake Downstream	· ·		4 16 30	6 18 32	8 1 20 35 4	•			1	,	40	
			Tot	ai	Tar	gets	Score	•				55	
6	If line 1 is 45, multiply If line 1 is 0, multiply						5		•			64,350	

			AIR R	OU	1:	: W	OR	K S	HEE	T			,
	Rating Factor		1 Casas	Assiç (Cli		d Va				Multi- plier	Score	Max. Score	Ref. (Section)
0	Observed Release)	0				45			1	0	45	5.1
	Date and Location	:	•										
	Sampling Protocol	l:											
	_		. Enter of ceed to li	_	=	_						;	,
2	Waste Characterist Reactivity and	tics	a	1	2	3				1		3	5.2
	Incompatibility Toxicity Hazardous Waste Quantity		0	1. 1	2	3	4 5	6	7 8	3 1		9 8	
			Total Wa	ste (Cha	rac	erist	cs S	core			20	
3	Targets Population Within		> -	9	. –	-	18			1		30	5.3
	4-Mile Radius Distance to Sensit Environment	tive) 21 0	24	27 2	30				2		6 ,	
	Land Use		O	1	2	3				1		3	
		•											
			T	otai '	Tar	gets	Sco	re		<u>-</u>		39	
4	4 Multiply 1 x 2 x 3											35,100	
5	Divide line 4 b	y 35,100	and multi	ply !	oy '	100	S		0				<i>.</i>

	s	s ²
Groundwater Route Score (Sgw)	73.07	5339.22
Surface Water Route Score (S _{SW})	0	. 0
Air Route Score (Sa)		<i>- O</i>
$S_{gw}^2 + S_{sw}^2 + S_a^2$		5 33 9. 27
$\sqrt{s_{gw}^2 + s_{sw}^2 + s_a^2}$		73-07
$\sqrt{s_{gw}^2 + s_{sw}^2 + s_a^2} / 1.73$		s _M =42.23

Worksheet for computing $s_{\mathbf{M}}$

		FIRE	AND E	XP	LC	SI	0	N V	WO	RK	SHEE	T		
	Rating Factor		Assigned Value Multi- (Circle One) piler								Score	Max. Score	Ref. (Section)	
1	Containment		1		٠.			3			-t		3	. 7.1
2	Waste Characteristic Direct Evidence Ignitability Reactivity Incompatibility Hazardous Waste Quantity	ics		1 1 1	2 2 2 2		4	5	6	7 8	1 1 1 1	•	3 3 3 3 8	7.2
		,	Total Was	ite :	Cha	rac	teri	stic	s Sc	ore	-		20	
3	Targets Distance to Neares Population Distance to Neares Building Distance to Sensitive Environment Land Use Population Within 2-Mile Radius Buildings Within 2-Mile Radius	t	0 0 0	1 1 1 1 1	2	3	4	5 5 5			1 1 1 1 1		5 3 3 5 5	7.3
			То	tai	Tarq	jets	. Se	core		•			24	!
4	Multiply 1 x 2	× 3											- 1,440	
3	Divide line 5 by 1,440 and multiply by 100 SFE -													

page 6

		DIRE	CT CC	ראכ	TA(CT	WOR	K SH	EET			
	Rating Factor			ssigr (Circ					Multi- plier	Score	Max. Score	Ref. (Section)
1	Observed Incident		0				45		1		45	8.1
		proceed to li							•			
2	Accessibility		0	1	2 3	3			1	·	3	8.2
3	Containment		0	1	5				1		15	8.3
4	Waste Characteristi Toxicity	ics	0.	1 :	2 3	3			5	-	15	8.4
5	Targets Population Within a 1-Mile Radius	1	0	1	2 3	3 4	5		4		20	8.5
	Distance to a Critical Habitat		0	1 :	2 3	3			4		12	
	Г	·				-						
					_	ts S	Score				32	
8	If line 1 is 45, n	nuitiply 1 uitiply 2	x 4 x 3	x x	5 1	×[5]				21,600	
7	Divide line 6 by	21,600 and	f multipl	ly by	100)	SDC	•				